

Abstract

Halogenated emulsans are prepared by a fermentation process where a microorganism capable of making emulsans is grown (cultured) in an effective emulsan producing culture medium with a suitable carbon source and halogenated compounds that are assimilated by the microorganism and incorporated into the emulsan molecule made by the microorganism. The emulsans are secreted into the culture medium and isolated therefrom. A preferred microorganism is a bacterium from the genus *Actinobacter* and preferred halogenated compounds include fluorinated compounds such as fluorinated fatty acids and fluorinated fatty acid esters.